

Perfection

Finishes

High Performance Polyurethane Gloss Finish



PRODUCT DESCRIPTION

Perfection 2-part polyurethane is the ultimate performing, high gloss topside finish. It provides long lasting, ultra-high gloss finish that has superb color-retention, together with excellent chemical and abrasion resistance. It has been formulated specifically to enable users to achieve high quality whether application is by brush, roller or conventional spray. UV filters combined with the chemical cure of the polyurethane to give the longest life possible.

* Durable, abrasion-resistant finish makes it an excellent choice for use on hard wearing areas e.g. topsides and decks.

* Exceptional gloss and D.O.I (Distinction of Image)

* Chemically resistant to diesel, petrol, oil, mild acids and alkalis

* Professional results made easy

PRODUCT INFORMATION

Color	YHA183-Platinum, YHA184-Med. White, YHA194-Oyster White, YHA198-Mat'horn White, YHA216-Royal Blue, YHB000-Snow White, YHB663-Jade Mist Green, YHF991-Mauritius Blue, YHS070-Cream, YHS248-Arctic White, YHS253-Pearl White, YHS936-Lauderdale Blue, YHY999-Jet Black
Finish	High Gloss
Specific Gravity	1.17
Volume Solids	49%
Mix Ratio	Mix ratio 2:1 by volume (as supplied)
Converter/Curing Agent	YGB001
Typical Shelf Life	2 yrs
VOC (As Supplied)	486 g/lt
Unit Size	1 US Quart kit , ½ US Gallon kit (2.25 lt) (Some colors only)

DRYING/OVERCOATING INFORMATION

	Drying			
	50°F (10°C)	59°F (15°C)	73°F (23°C)	95°F (35°C)
Sandable	24 hrs	24 hrs	16 hrs	12 hrs
Pot Life	4 hrs	3 hrs	2 hrs	1 hrs

Note: Pot life refers to the Working Pot Life.

Overcoated By	Overcoating Substrate Temperature							
	50°F (10°C)		59°F (15°C)		73°F (23°C)		95°F (35°C)	
	Min	Max	Min	Max	Min	Max	Min	Max
Perfection	28 hrs	4 days	14 hrs	3 days	6 hrs	2 days	4 hrs	1 days

Note: When spraying, product may be overcoated when touch dry.

APPLICATION AND USE

Preparation

BARE FIBERGLASS Clean with Fiberglass Surface Prep YMA601. Flush with fresh water. To determine if surface is clean, run fresh water over the surface - if the water beads up or separates it is an indication of contamination on the surface. Wipe with Fiberglass Solvent Wash 202. Repair any defects with Interfill 830/833 Fairing Compound or Watertite, then sand with 120-220 grade (grit) paper and remove residue. Apply 1 coat of Interprotect 2000E (as required). Follow with 2 coats of Interprime 880 or Epoxy Primekote 404. Abrade with 120-220 grade (grit) paper. Remove sanding residue with 2316N or 2333N.

CLEAR EPOXY Clean with Fiberglass Surface Prep YMA601. Flush with fresh water. Sand with 80 grade (grit) paper. Remove sanding residue with Fiberglass Solvent Wash 202. Repair any defects with Interfill 830/833 Fairing Compound or Watertite, then sand with 120-220 grade (grit) paper and remove residue. Follow with 2 coats of Interprime 880 or Epoxy Primekote 404. Sand with 220-320 grade (grit) paper. Remove sanding residue.

BARE WOOD Sand with 80 grade (grit) paper. Remove sanding residue by wiping with Special Thinner 216, 2316N or 2333N. Apply 1-2 coats of Interprotect 2000E followed by 2 coats of Interprime 880 Finish Primer or Epoxy Primekote 404. Alternatively, apply 2 coats of Epoxy Primekote Y404 (thinning the first coat 25% with 2333N or 2316N).

BARE METAL Sandblast or grind the surface of the metal to Sa 2½ / SSPC-SP5-85 - near white metal surface. Remove sanding residue. Immediately apply Viny-Lux Primewash 353/354 thinned 25% with Viny-Lux Solvent 355 followed by 1 coat of Interprotect 2000E. Alternatively, apply 1 coat only of Interprotect 2000E only (thinned). Fill and fair with Interfill 830/833. Seal with 1-2 coats of Interprotect 2000E. Follow the overcoating times on the relevant primer datasheet. Apply

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1-2 coats of Interprime 880 or Epoxy Primekote 404.

PREVIOUSLY PAINTED SURFACES Can be applied directly over two-part catalyzed coatings, that are in good condition, by cleaning with Fiberglass Surface Prep YMA601. Sand with 220 grade (grit) paper. Remove sanding residue with Brushing Reducer 2333N, Special Thinner 2316N, or YTA920. Abrade with 120-220 grade (grit) paper.

Method

For the best finish, the first coat should be applied thickly enough for even coverage and flow, but do not attempt to achieve full opacity. Do not apply a dry tack-coat first. Leave first coat until it is "touch dry". Apply a full coat. When this coat is touch dry, apply a further 1 or 2 full coats (depending on color) to achieve full coverage. If more paint needs to be applied, wait at least another 24 hrs before proceeding, to avoid solvent entrapment. Accelerator may be necessary at temperatures below 30°C/86°F. Consult Accelerator for Two-Part Finishes YQA100 datasheet for recommended addition levels.

Hints

Mixing Stir contents of each part prior to mixing. Mix the base and curing agents of Perfection together at the specified mix ratio. Add Curing Agent to the Base, stir and leave for 20 minutes to allow bubbles to disperse.

Thinner YTA920, Brushing Reducer 2333N, Thinners Reducing Solvent Spray 2316N.

Thinning Mix base and curing agent first and then thin as required. The choice of thinners will depend on the ambient temperature, the spray gun set up, application techniques and paint viscosity. For fuller guidelines on thinning, consult the Professional Application Manual.

Cleaner YTA920, Brushing Reducer 2333N, Thinners Reducing Solvent Spray 2316N.

Ventilation and Humidity Control Apply in dry well ventilated conditions. Avoid excessively humid conditions, over 80% relative humidity.

Conventional Spray (Professional only) Reduce viscosity to 14 seconds through a Zahn #2 cup (25-35% thinning).

Suggested set-up: Binks 95: Nozzle 63A or B for pressure pot, needle 663A and air cap 63 PB or PW. Siphon Cup:

Nozzle 66, needle 665 and air cap 66SD. DeVilbiss or SATA: Air Pressure 30-40psi (Gti or K3 RP Guns), 40-60psi conventional. Pot Pressure: 7-10 psi Nozzle size 0.8-1.1mm (pressure pot). 1.2-1.4 (gravity or suction feed).

Recommended fluid flow 250cc/minute. Interlux recommends high transfer efficiency equipment such as SATA K3 RP gun or DeVilbiss Gti series, for maximum performance and minimum waste.

Brush Thin using Brushing Reducer Y2333N (10% by volume). Apply using a natural bristle brush.

Roller Thin using Brushing Reducer Y2333N (10% by volume). Apply using a small closed cell foam roller for high gloss topside finishes. Tip off with a clean, natural bristle brush.

Other If using as a deck paint, mix in Intergrip non-slip additive. Full hardness is achieved after 7-10 days at 15°C/59°F. If required, a Flattening Agent (YZM914) is available for use with Perfection. See Flattening Agent datasheet for details.

Some Important Points

Product temperature should be minimum 10°C/50°F and maximum 35°C/95°F. Ambient temperature should be minimum 10°C/50°F and maximum 40°C/104°F. Substrate temperature should be minimum 10°C/50°F and maximum 40°C/104°F. Do not use in high wind. Avoid painting in direct sunlight. Avoid humid conditions. Do not apply over conventional paints or flexible constructions. Do not use unless mixed thoroughly with the curing agent at specified ratio. Not suitable for permanently immersed surfaces. Avoid applying late in the evening as condensation can cause a loss of gloss during overnight cure. Allow to dry in a well ventilated environment. If red Perfection is to be used then a full coat of glaze coat should be used as a final coat after full opacity has been achieved with the pigmented system to prevent premature loss of gloss or color change. Spray application - PROFESSIONAL USE ONLY. DO NOT SPRAY without following proper safety procedures for spray application. Go to www.yachtpaint.com for spray information.

Compatibility/Substrates

Apply only over sanded two pack polyurethane finishes, Interlux Epoxy Primekote 404 or Interprime 880. Ensure all sanding residues are removed before application of the Perfection finish. Do not use Perfection on flexible constructions. Will crack on carvel and clinker/lapstrake hulls. Not suitable for permanently immersed surfaces. Perfection should not be applied over conventional single part enamels since the aggressive solvents in Perfection may cause lifting.

Number of Coats

Half coat + two full coats minimum by spray. 2 full coats minimum by brush/roller.

Coverage

(Theoretical) - 541.4 ft²/gal

(Practical) - 488.5 ft²/gal

Recommended DFT per coat

1.5 mils dry

Recommended WFT per coat

3 mils wet

Application Methods

Brush, Conventional Spray, Roller

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage

GENERAL INFORMATION:

Exposure to air and extremes of temperature should be avoided. For the full shelf life of Perfection to be realised ensure that between use the container is firmly closed and the temperature is between 5°C/41°F and 35°C/95°F. Keep out of direct sunlight.

TRANSPORTATION:

Perfection should be kept in securely closed containers during transport and storage.

Safety

GENERAL: Contains isocyanates which may be harmful to the respiratory tract. Read the label safety section for Health and Safety Information, also available from our Technical Help Line.

DISPOSAL: Do not discard tins or pour paint into water courses, use the facilities provided. It is best to allow paints to harden before disposal. Reminders of Perfection cannot be disposed of through the municipal waste route or dumped without permit. Disposal of reminders must be arranged for in consultation with the authorities.

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Users should ensure they have a copy of the Material Safety Datasheet for this product and that they are familiar with all the safety directions before use. Wear Personal Protective Equipment and NIOSH approved respirator.

IMPORTANT NOTES

The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further written enquiries as to the suitability of the product for the intended purpose does so at their own risk and we can accept no responsibility for the performance of the product or for any loss or damage (other than death or personal injury resulting from negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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